



360° or 180° panoramic monitoring

The compact, weatherproof 12megapixel hemispheric outdoor IP dome camera offers an uninterrupted 360° field of vision, opening up new potential applications. It is the ideal camera solution for a wide range of environments, both indoors and outdoors. When mounted on the ceiling, the camera gives the option of monitoring an entire room.

Flexible installation

The camera is specially designed for outdoor use (within a temperature range of -25° to 60°) and can be used to monitor activity from above. The heat map function enables the analysis of pedestrian flows, e.g. in retail. The integrated IRs have a range of approximately 15metres, and boast clear video images - even at night. Power over Ethernet (PoE) facilitates the installation process and the loudspeaker and the integrated microphone enable two-way audio communication via the camera's web interface using a microphone linked up to a computer.

Flexible views - simple operation

There are several image display options, including 360° image, panorama image, double-panorama image, 360° view with three freely configurable positions, as well as a panorama image with three freely configurable positions. The camera is easy to operate using the online interface: digital panning, tilting and zooming is incredibly easy to control, and the camera patrols are freely configurable.

Dewarping is carried out on the camera itself as opposed to the PC, so the volume of image data is drastically reduced before transmission and storage, thus reducing the load on the network.

In order to be able to use all 4 streams to their full extent, 4 free channels need to be available in an NVR or a software program.

Technologies

IP Fisheye 12 MPx

Art.-Nr. IPCS24500

Seite 2 von 4

- 360°/180° panoramic views with up to 12 MPx resolution
- 12 MPx Resolution: 4.000 x 3.072 @ 20 fps
- Four live image modes for different monitoring scenarios
- DWDR
- Vandalism and weather protected housing (IK10 & IP66)
- IR LEDs (range up to 15m)
- Heat map
- Digital, stageless panning, tilting or zooming without mechanical camera movement
- Freely configurable patrols (panning/tilting)

Technical data - IP Fisheye 12 MPx

Alarm generation	Yes
Alarm input (NO/NC)	1
Alarm output	1
Aperture at minimum illumination (color)	2,4
Application purpose	Area monitoring (PTZ)
Article program	Professional
Audio	Yes
Backlight compensation	WDR
Camera type	Outdoor hemispheric
Colour	RAL9003
Compatible with	NVR
Compatible with ABUS Link Station	No
Compatible with Secvest	No
Compatible with wAppLoxx	No
Compatible with wAppLoxx Pro	No
Connections	1 x RJ45, 1 x DC, 1 x Alarm-In, 1 x Alarm-Out, 1 x Audio-In, 1 x Audio-Out
Construction type of device	Hemispheric
Control unit	ePTZ
Current consumption	950 mA
DC power supply	12 (+/-10 %) V
Day/night switching	ICR/Color/B/W
Depth	44 mm
Digital zoom	ePTZ
Dimensions	164 x 164 x 44 mm
Dynamic range (WDR)	70 dB

IP Fisheye 12 MPx

Art.-Nr. IPCS24500

Seite 3 von 4

Technical data - IP Fisheye 12 MPx

Electronic shutter	1/3 s - 1/100000 s
Encryption	HTTPS
Focal length	2 mm
Frame rate	25
Height	44 mm
Horizontal viewing angle	180/360 °
Housing material	Metal
ICR day/night function	Yes
IR LEDs	Yes
IR range (up to)	15 m
Image optimization	3D DNR, WDR, BLC
Image sensor	1/1.7" Progressive Scan CMOS
Language Manual	DE, UK, FR, NL, DK, PL, IT
Language OSD	DE, UK, FR, NL, DK
Length	164 mm
Lens	Fix
Max. Air humidity	85 %
Max. Operating temperature	60 °C
Max. Resolution @ frame rate	4000 x 3072 @ 20 fps
Microphone	Yes
Min. operating temperature	-25 °C
Minimum illumination (IR)	0 lx
Minimum illumination (color)	0.04 lx
Motion detection	1
Mounting type	Wall/Ceiling
Net weight	0.734 kg
Network bandwidth Video	256 kBit/s - 16 MBit/s
Network camera protocols	IPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ONVIF, ABUS Server
Network connection	RJ45
Network connection LAN	RJ45
Noise suppression	3D DNR
Number of IR LEDs	3
Other functions	Heat Map
Pan/tilt range	360°/80° (ePTZ)
Pixels (effective)	4000(H) x 3072(V)
PoE Standard	IEEE 802.3af
Product group	Camera
Protection class IK	10

IP Fisheye 12 MPx

Art.-Nr. IPCS24500

Seite 4 von 4

Technical data - IP Fisheye 12 MPx

Protection class IP	66
Radio functions	Heat Map
Resolution	12 MP
Resolution modes	Fisheye (max. 4000x3072 @ 20 fps) or Panorama (max. 3072x2304 @ 15 fps) or 4xPTZ (1600x1200 @ 15 fps) or Fisheye+3xPTZ (max. 2560x2560 @ 10 fps / 1600x1200 @ 10 fps)
Storage medium	microSD (128 GB)
Supported browsers	IE10, IE11
Video compression	H.264, MJPEG
Video system	IP
WEEE group	09
White balance	AWB
width	164 mm